



03/15/11

Technical Report for

GEI Consultants, Inc.

Canton Airport Canton MA

09382-2

Accutest Job Number: M92371

Sampling Date: 06/16/10

Report to:

GEI Consultants, Inc.

LLombardo@geiconsultants.com

ATTN: Leslie Lombardo

Total number of pages in report: 22



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Fand
Reza Fand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Sample Results	5
3.1: M92371-1: 093822-HS-AH-5	6
3.2: M92371-2: 093822-HS-AI-5	7
3.3: M92371-3: 093822-HS-AJ-5	8
3.4: M92371-5: 093822-HS-AU-8	9
3.5: M92371-6: 093822-HS-AT.5-7.5	10
3.6: M92371-9: 093822-HS-AV.5-15.5	11
Section 4: Misc. Forms	12
4.1: Chain of Custody	13
4.2: MCP Form	15
4.3: Sample Tracking Chronicle	16
Section 5: GC Semi-volatiles - QC Data Summaries	18
5.1: Method Blank Summary	19
5.2: Blank Spike/Blank Spike Duplicate Summary	20
5.3: Matrix Spike/Matrix Spike Duplicate Summary	21
5.4: Surrogate Recovery Summaries	22

Sample Summary

GEI Consultants, Inc.

Job No: M92371

Canton Airport Canton MA
Project No: 09382-2

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M92371-1	06/16/10	08:20 SSH	06/18/10	SO	Soil	093822-HS-AH-5
M92371-2	06/16/10	08:25 SSH	06/18/10	SO	Soil	093822-HS-AI-5
M92371-3	06/16/10	08:30 SSH	06/18/10	SO	Soil	093822-HS-AJ-5
M92371-4	06/16/10	08:35 SSH	06/18/10	SO	Soil	093822-HS-AI-4
M92371-5	06/16/10	08:45 SSH	06/18/10	SO	Soil	093822-HS-AU-8
M92371-6	06/16/10	09:00 SSH	06/18/10	SO	Soil	093822-HS-AT.5-7.5
M92371-7	06/16/10	09:05 SSH	06/18/10	SO	Soil	093822-HS-AT.5-6.5
M92371-8	06/16/10	09:10 SSH	06/18/10	SO	Soil	093822-HS-AV-8
M92371-9	06/16/10	09:20 SSH	06/18/10	SO	Soil	093822-HS-AV.5-15.5
M92371-10	06/16/10	09:25 SSH	06/18/10	SO	Soil	093822-HS-AV.5-15

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: GEI Consultants, Inc.

Job No M92371

Site: Canton Airport Canton MA

Report Date 7/8/2010 2:53:54 PM

6 Sample(s) were collected on 06/16/2010 and were received at Accutest on 06/18/2010 properly preserved, at 2.9 Deg. C and intact. These Samples received an Accutest job number of M92371. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8082

Matrix SO	Batch ID: OP21830
------------------	--------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M92268-23MS, M92268-23MSD were used as the QC samples indicated.
- MS/MSD Recovery(s) for Aroclor 1260 are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- M92371-1, M92371-2, M92371-3, M92371-5, M92371-6, M92371-9 for Decachlorobiphenyl, Tetrachloro-m-xylene: Outside control limits due to dilution.
- M92371-5 for Tetrachloro-m-xylene, Decachlorobiphenyl: Outside control limits due to possible matrix interference.
- M92371-1, M92371-6 for Decachlorobiphenyl: Outside control limits due to possible matrix interference.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO	Batch ID: GN32236
------------------	--------------------------

- Sample(s) M92360-2DUP were used as the QC samples for Solids, Percent.

Matrix SO	Batch ID: GN32237
------------------	--------------------------

- Sample(s) M92360-10DUP were used as the QC samples for Solids, Percent.

Matrix SO	Batch ID: GN32246
------------------	--------------------------

- Sample(s) M92384-1DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M92371).

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-AH-5	Date Sampled:	06/16/10
Lab Sample ID:	M92371-1	Date Received:	06/18/10
Matrix:	SO - Soil	Percent Solids:	91.6
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF78097.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
Run #2	EF78247.D	10000	07/06/10	SL	06/30/10	OP21830	GEF3508

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	ND	110	ug/kg	
11097-69-1	Aroclor 1254	ND	110	ug/kg	
11096-82-5	Aroclor 1260	1390000 ^a	1100000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	85%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	188% ^c	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	170% ^c	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

(c) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-AI-5	Date Sampled:	06/16/10
Lab Sample ID:	M92371-2	Date Received:	06/18/10
Matrix:	SO - Soil	Percent Solids:	90.5
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF78099.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
Run #2	EF78272.D	1000	07/06/10	SL	06/30/10	OP21830	GEF3508

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2	15.3 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	ND	110	ug/kg	
11097-69-1	Aroclor 1254	ND	110	ug/kg	
11096-82-5	Aroclor 1260	308000 ^a	110000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	85%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	123%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	140%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-AJ-5	Date Sampled:	06/16/10
Lab Sample ID:	M92371-3	Date Received:	06/18/10
Matrix:	SO - Soil	Percent Solids:	89.3
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF78100.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
Run #2	EF78251.D	5000	07/06/10	SL	06/30/10	OP21830	GEF3508

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2	15.5 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	ND	110	ug/kg	
11097-69-1	Aroclor 1254	ND	110	ug/kg	
11096-82-5	Aroclor 1260	729000 ^a	540000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	79%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	147%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	132%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-AU-8	Date Sampled:	06/16/10
Lab Sample ID:	M92371-5	Date Received:	06/18/10
Matrix:	SO - Soil	Percent Solids:	92.9
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF78101.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
Run #2	EF78252.D	100000	07/06/10	SL	06/30/10	OP21830	GEF3508

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	100	ug/kg	
11104-28-2	Aroclor 1221	ND	100	ug/kg	
11141-16-5	Aroclor 1232	ND	100	ug/kg	
53469-21-9	Aroclor 1242	ND	100	ug/kg	
12672-29-6	Aroclor 1248	ND	100	ug/kg	
11097-69-1	Aroclor 1254	ND	100	ug/kg	
11096-82-5	Aroclor 1260	25400000 ^a	10000000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	177% ^c	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	390% ^c	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	472% ^c	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

(c) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-AT.5-7.5	
Lab Sample ID:	M92371-6	Date Sampled: 06/16/10
Matrix:	SO - Soil	Date Received: 06/18/10
Method:	SW846 8082 SW846 3540C	Percent Solids: 94.0
Project:	Canton Airport Canton MA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF78102.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
Run #2	EF78253.D	10000	07/06/10	SL	06/30/10	OP21830	GEF3508

	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2	15.2 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	ND	110	ug/kg	
11097-69-1	Aroclor 1254	ND	110	ug/kg	
11096-82-5	Aroclor 1260	3160000 ^a	1100000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	115%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	299% ^c	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	239% ^c	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

(c) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	093822-HS-AV.5-15.5	Date Sampled:	06/16/10
Lab Sample ID:	M92371-9	Date Received:	06/18/10
Matrix:	SO - Soil	Percent Solids:	85.8
Method:	SW846 8082 SW846 3540C		
Project:	Canton Airport Canton MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF78103.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
Run #2	EF78254.D	250	07/06/10	SL	06/30/10	OP21830	GEF3508

	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	110	ug/kg	
11104-28-2	Aroclor 1221	ND	110	ug/kg	
11141-16-5	Aroclor 1232	ND	110	ug/kg	
53469-21-9	Aroclor 1242	ND	110	ug/kg	
12672-29-6	Aroclor 1248	ND	110	ug/kg	
11097-69-1	Aroclor 1254	ND	110	ug/kg	
11096-82-5	Aroclor 1260	131000 ^a	28000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	75%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	128%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	118%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Parameter Certifications (MA)
- Chain of Custody
- MCP Form
- Sample Tracking Chronicle

4.1



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: M92371

Client: GEI

Immediate Client Services Action Required: No

Date / Time Received: 6/18/2010 2:20:00 PM

No. Coolers: 1

Client Service Action Required at Login: No

Project: CANTON AIRPORT

Airbill #'s: N/A

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume rec'd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www.accutest.com

M92371: Chain of Custody

Page 2 of 2



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-CAM
21 May 2004
Final

Exhibit VII A-1
Revision No. 3.2
Page 10 of 32

Title: **MADEP MCP Response Action Analytical Report Certification Form**

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Accutest Laboratories of New England Project #: M92371
Project Location: Canton Airport Canton MA MADEP RTN ¹ None

This form provides certifications for the following data set:
M92371-1,M92371-2,M92371-3,M92371-5,M92371-6,M92371-9

Sample Matrices: Groundwater Soil/Sediment X Drinking Water () Other: () ()

MCP SW-846 Methods Used	8260B ()	8151A ()	8330 ()	6010B ()	7470A/1A ()
As specified in MADEP Compendium of Analytical Methods.	8270C ()	8081A ()	VPH ()	6020 ()	9014M ² ()
(Check all that apply)	8082 (X)	8021B ()	EPH ()	7000 S ³ ()	7196A ()

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List Individual method and analyte

An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No ¹
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Reza Tand Position: Laboratory Director
Printed Name: Reza Tand Date: 07/08/2010

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M92371

Canton Airport Canton MA
Project No: 09382-2

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M92371-1 Collected: 16-JUN-10 08:20 By: SSH Received: 18-JUN-10 By: JB 093822-HS-AH-5						
M92371-1	SM21 2540 B MOD.	25-JUN-10	BF			%SOL
M92371-1	SW846 8082	02-JUL-10 05:27	SL	30-JUN-10	AF	P8082SOXHLET
M92371-1	SW846 8082	06-JUL-10 06:27	SL	30-JUN-10	AF	P8082SOXHLET
M92371-2 Collected: 16-JUN-10 08:25 By: SSH Received: 18-JUN-10 By: JB 093822-HS-AI-5						
M92371-2	SM21 2540 B MOD.	25-JUN-10	BF			%SOL
M92371-2	SW846 8082	02-JUL-10 06:26	SL	30-JUN-10	AF	P8082SOXHLET
M92371-2	SW846 8082	06-JUL-10 18:59	SL	30-JUN-10	AF	P8082SOXHLET
M92371-3 Collected: 16-JUN-10 08:30 By: SSH Received: 18-JUN-10 By: JB 093822-HS-AJ-5						
M92371-3	SM21 2540 B MOD.	25-JUN-10	BF			%SOL
M92371-3	SW846 8082	02-JUL-10 06:41	SL	30-JUN-10	AF	P8082SOXHLET
M92371-3	SW846 8082	06-JUL-10 07:56	SL	30-JUN-10	AF	P8082SOXHLET
M92371-5 Collected: 16-JUN-10 08:45 By: SSH Received: 18-JUN-10 By: JB 093822-HS-AU-8						
M92371-5	SM21 2540 B MOD.	25-JUN-10	BF			%SOL
M92371-5	SW846 8082	02-JUL-10 06:56	SL	30-JUN-10	AF	P8082SOXHLET
M92371-5	SW846 8082	06-JUL-10 08:11	SL	30-JUN-10	AF	P8082SOXHLET
M92371-6 Collected: 16-JUN-10 09:00 By: SSH Received: 18-JUN-10 By: JB 093822-HS-AT.5-7.5						
M92371-6	SM21 2540 B MOD.	25-JUN-10	BF			%SOL
M92371-6	SW846 8082	02-JUL-10 07:25	SL	30-JUN-10	AF	P8082SOXHLET
M92371-6	SW846 8082	06-JUL-10 08:26	SL	30-JUN-10	AF	P8082SOXHLET
M92371-9 Collected: 16-JUN-10 09:20 By: SSH Received: 18-JUN-10 By: JB 093822-HS-AV.5-15.5						
M92371-9	SM21 2540 B MOD.	25-JUN-10	CF			%SOL
M92371-9	SW846 8082	02-JUL-10 07:40	SL	30-JUN-10	AF	P8082SOXHLET

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M92371

Canton Airport Canton MA
Project No: 09382-2

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M92371-9	SW846 8082	06-JUL-10 08:55	SL	30-JUN-10	AF	P8082SOXHLET

GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 1

Job Number: M92371
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21830-MB	EF78078.D	1	07/01/10	SL	06/30/10	OP21830	GEF3504

The QC reported here applies to the following samples:

Method: SW846 8082

M92371-1, M92371-2, M92371-3, M92371-5, M92371-6, M92371-9

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	99	ug/kg	
11104-28-2	Aroclor 1221	ND	99	ug/kg	
11141-16-5	Aroclor 1232	ND	99	ug/kg	
53469-21-9	Aroclor 1242	ND	99	ug/kg	
12672-29-6	Aroclor 1248	ND	99	ug/kg	
11097-69-1	Aroclor 1254	ND	99	ug/kg	
11096-82-5	Aroclor 1260	ND	99	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	99% 30-150%
877-09-8	Tetrachloro-m-xylene	102% 30-150%
2051-24-3	Decachlorobiphenyl	103% 30-150%
2051-24-3	Decachlorobiphenyl	117% 30-150%

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: M92371

Account: GEI GEI Consultants, Inc.

Project: Canton Airport Canton MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21830-BS	EF78079.D	1	07/01/10	SL	06/30/10	OP21830	GEF3504
OP21830-BSD	EF78080.D	1	07/01/10	SL	06/30/10	OP21830	GEF3504

The QC reported here applies to the following samples:

Method: SW846 8082

M92371-1, M92371-2, M92371-3, M92371-5, M92371-6, M92371-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	260	313	121	337	129	7	40-140/30
11104-28-2	Aroclor 1221		ND		ND		nc	40-140/30
11141-16-5	Aroclor 1232		ND		ND		nc	40-140/30
53469-21-9	Aroclor 1242		ND		ND		nc	40-140/30
12672-29-6	Aroclor 1248		ND		ND		nc	40-140/30
11097-69-1	Aroclor 1254		ND		ND		nc	40-140/30
11096-82-5	Aroclor 1260	260	330	127	348	133	5	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
877-09-8	Tetrachloro-m-xylene	108%	113%	30-150%
877-09-8	Tetrachloro-m-xylene	115%	120%	30-150%
2051-24-3	Decachlorobiphenyl	113%	118%	30-150%
2051-24-3	Decachlorobiphenyl	126%	130%	30-150%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: M92371
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP21830-MS	EF78081.D	1	07/01/10	SL	06/30/10	OP21830	GEF3504
OP21830-MSD	EF78082.D	1	07/01/10	SL	06/30/10	OP21830	GEF3504
M92268-23	EF78083.D	1	07/02/10	SL	06/30/10	OP21830	GEF3504
M92268-23	EF78245.D	10	07/06/10	SL	06/30/10	OP21830	GEF3508

The QC reported here applies to the following samples:

Method: SW846 8082

M92371-1, M92371-2, M92371-3, M92371-5, M92371-6, M92371-9

CAS No.	Compound	M92268-23 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND	289	340	118		370	122	8	40-140/50
11104-28-2	Aroclor 1221	ND		ND			ND		nc	40-140/50
11141-16-5	Aroclor 1232	ND		ND			ND		nc	40-140/50
53469-21-9	Aroclor 1242	ND		ND			ND		nc	40-140/50
12672-29-6	Aroclor 1248	529		579			704		19	40-140/50
11097-69-1	Aroclor 1254	5530 ^a		1980			2540		25	40-140/50
11096-82-5	Aroclor 1260	2510 ^a	289	1440	-370* ^b		1840	-221* ^b	24	40-140/50

CAS No.	Surrogate Recoveries	MS	MSD	M92268-23	M92268-23	Limits
877-09-8	Tetrachloro-m-xylene	97%	92%	101%	137%	30-150%
877-09-8	Tetrachloro-m-xylene	95%	85%	98%	130%	30-150%
2051-24-3	Decachlorobiphenyl	121%	120%	127%	177%* ^c	30-150%
2051-24-3	Decachlorobiphenyl	112%	110%	130%	169%* ^c	30-150%

(a) Result is from Run #2.

(b) Outside control limits due to high level in sample relative to spike amount.

(c) Outside control limits due to dilution.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: M92371
Account: GEI GEI Consultants, Inc.
Project: Canton Airport Canton MA

Method: SW846 8082 Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
M92371-1	EF78247.D	0.0* ^c	0.0* ^c	0.0* ^c	0.0* ^c
M92371-1	EF78097.D	84.0	85.0	188.0* ^d	170.0* ^d
M92371-2	EF78272.D	0.0* ^c	0.0* ^c	0.0* ^c	0.0* ^c
M92371-2	EF78099.D	87.0	85.0	123.0	140.0
M92371-3	EF78251.D	0.0* ^c	0.0* ^c	0.0* ^c	0.0* ^c
M92371-3	EF78100.D	92.0	79.0	147.0	132.0
M92371-5	EF78252.D	0.0* ^c	0.0* ^c	0.0* ^c	0.0* ^c
M92371-5	EF78101.D	76.0	177.0* ^d	390.0* ^d	472.0* ^d
M92371-6	EF78253.D	0.0* ^c	0.0* ^c	0.0* ^c	0.0* ^c
M92371-6	EF78102.D	89.0	115.0	299.0* ^d	239.0* ^d
M92371-9	EF78254.D	0.0* ^c	0.0* ^c	0.0* ^c	0.0* ^c
M92371-9	EF78103.D	76.0	75.0	128.0	118.0
OP21830-BS	EF78079.D	108.0	115.0	113.0	126.0
OP21830-BSD	EF78080.D	113.0	120.0	118.0	130.0
OP21830-MB	EF78078.D	99.0	102.0	103.0	117.0
OP21830-MS	EF78081.D	97.0	95.0	121.0	112.0
OP21830-MSD	EF78082.D	92.0	85.0	120.0	110.0

Surrogate Compounds Recovery Limits

S1 = Tetrachloro-m-xylene 30-150%
S2 = Decachlorobiphenyl 30-150%

- (a) Recovery from GC signal #1
- (b) Recovery from GC signal #2
- (c) Outside control limits due to dilution.
- (d) Outside control limits due to possible matrix interference.